

Name: \_\_\_\_\_

## Landscaping and Turf Management

### Directions:

Evaluate the student by checking the appropriate number or letter to indicate the degree of competency. The rating for each task should reflect **employability readiness** rather than the grades given in class.

### Rating Scale:

- 3 Mastered** – can work independently with no supervision
- 2 Requires Supervision** – can perform job completely with limited supervision
- 1 Not Mastered** – requires instruction and close supervision
- N No Exposure** – no experience or knowledge in this area

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

3	2	1	N	<b>A. Evaluating Opportunities in the Landscaping and Turfgrass Industries</b>	<b>Notes:</b>
				1. Explain the importance of landscaping and turfgrass industries today and in the future (A001)	
				2. Identify and describe landscape and turfgrass jobs (A002)	
				Other:	

3	2	1	N	<b>B. How Plants Grow</b>	<b>Notes:</b>
				1. Label plant parts and structures correctly and identify the differing growth patterns of monocot and dicot plants (B001)	
				2. Demonstrate knowledge of soil properties and how soil quality relates to plant growth; assess the soil at a planting site and determine how to improve it, if needed (B002)	
				3. Describe environmental factors that should be considered before selecting a plant for the landscape (B003)	
				Other:	

3	2	1	N	<b>C. Identification</b>	<b>Notes:</b>
				1. Identify the basic structural features of trees and shrubs (C001)	
				2. Identify the distinguishing characteristics for common narrow-leaf evergreens (C002)	
				3. Identify selected trees (C003)	
				4. Identify selected shrubs (C004)	
				5. Identify ground covers, vines, and perennials (C005)	
				6. Identify characteristics of grasses (C006)	
				7. Identify the six major turfgrasses used in Missouri (C007)	
				Other:	

3	2	1	N	<b>D. Tool Identification and Maintenance</b>	<b>Notes:</b>
				1. Identify and maintain hand tools and equipment (D001)	
				2. Identify, maintain, and safely use power tools (D002)	
				Other:	

3	2	1	N	<b>E. Pesticides</b>	<b>Notes:</b>
				1. Describe how various types of pesticides work (E001)	
				2. Accurately interpret a pesticide label for information about use, effectiveness, and safe handling (E002)	
				3. Identify safety precautions that should be followed when using pesticides (E003)	
				Other:	

3	2	1	N	<b>F. Installation and Maintenance of Trees and Shrubs</b>	<b>Notes:</b>
				1. Transplant a tree or shrub and properly plant a bare-root, container-grown, or B and B tree or shrub (F001)	
				2. Stake and guy a newly-planted tree; wrap, prune, and apply antitranspirants to young trees (F002)	
				3. Prune trees, shrubs, hedges, and roses (F003)	
				4. Fertilize trees and shrubs (F004)	
				5. Determine the best methods of irrigation in various situations (F005)	
				6. Recognize common insects and diseases, the type of damage or symptoms they cause, and recommended control methods (F006)	
				Other:	

3	2	1	N	<b>G. Installation and Maintenance of Bedding Plants and Ground Covers</b>	<b>Notes:</b>
				1. Prepare the soil of a flower bed, determine the number of plants to use, and transplant bedding plants and ground covers (G001)	
				2. Maintain bedding plants and ground covers (G002)	
				Other:	

3	2	1	N	<b>H. Turfgrass</b>	<b>Notes:</b>
				1. List advantages and disadvantages of the six major turfgrasses grown in Missouri (H001)	
				2. Describe the procedure for installing a lawn (H002)	
				3. Maintain turf by properly fertilizing, watering, and mowing (H003)	
				4. Explain how to successfully cultivate or renovate a lawn (H004)	
				5. Identify common pests in turfgrass and explain how to control these pests (H005)	
				Other:	

3	2	1	N	<b>I. Site Analysis and Evaluation</b>	<b>Notes:</b>
				1. Analyze a landscape site (I001)	
				2. Draw a base map to scale (I002)	
				3. Effectively use design symbols in a landscape plan (I003)	
				Other:	

3	2	1	N	<b>J. Selecting and Using Plants in the Landscape</b>	<b>Notes:</b>
				1. Select trees for specific purposes in the landscape (J001)	
				2. Select effective shrubs and hedges for landscape (J002)	
				3. Describe the uses of vines and ground covers and select the species to suit the location to be planted (J003)	
				4. Select a location and plants for a perennial bed or border (J004)	
				5. Select a turfgrass for a specific growing site (J005)	
				Other:	

3	2	1	N	<b>K. Landscape Designing</b>	<b>Notes:</b>
				1. Identify and explain the four elements of landscape design (K001)	
				2. Implement the use of natural and manufactured enrichments in a landscape plan (K002)	
				3. Identify the five principles of design (K003)	
				4. Apply both the principles and elements of design to create a landscape plan (K004)	
				Other:	

3	2	1	N	<b>L. Developing Cost Estimates</b>	<b>Notes:</b>
				1. Calculate the price of landscape design (L001)	
				2. Price various components of landscape maintenance (L002)	
				Other:	

3	2	1	N	<b>Leadership &amp; Personal Development for Advanced Students (Leadership Duty C)</b>	<b>Notes:</b>
				1. Develop a resume and complete a job application (C001)	
				2. Develop a plan for finding a job (C002)	
				3. Describe how to apply and interview for a job (C003)	
				4. Describe the characteristics needed to develop desirable personal and social skills (C004)	
				5. Describe the importance and process of developing better human relationships (C005)	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>Using the Missouri Farm Business Record Book (SAE Duty D)</b>	<b>Notes:</b>
				1. Describe the two types of accounting methods (D001)	
				2. Complete the forms needed to open the Missouri Farm Business Record Book (D002)	
				3. Develop a projected cash flow (D003)	
				4. Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	
				5. Complete additional records in the Missouri Farm Business Record Book (D005)	
				6. Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	
				7. Analyze the farm business using the Missouri Farm Business Record Book (D007)	
				Other:	